

# FEDERAL COMMUNICATIONS COMMISSION

CLASS OF STATION FM

LCJ

The following application is submitted for action by the Chief, Broadcast Bureau.

ST	FILE NUMBER	CALL	APPLICANT AND LOCATION	NATURE OF APPLICATION
SC	BPED -920113ML N/M	NEW 88.5MHZ	TOCCOA FALLS COLLEGE BELTON SC	CP FOR NEW EDUC FM STATION ON: 88.5 MHZ., ERP: 50 KW (H&V), HAAT: 91 METERS (H&V) 34 23 43 82 29 49

LICENSE EXPIRATION DATE \_\_\_\_\_

PN: 2-24-92

*for Lois C Jones*  
\_\_\_\_\_  
CHIEF, LICENSE DIVISION

RECOMMENDATION: GRANT( ) CONSTRUCTION DATES, START \_\_\_\_\_ END \_\_\_\_\_

CONTESTED ( ) UNCONTESTED ( )



APPROVED \_\_\_\_\_

\_\_\_\_\_  
FOR CHIEF, BROADCAST BUREAU

F.C.C.-WASHINGTON, D.C.



# TOCCOA FALLS COLLEGE

TOCCOA FALLS, GEORGIA 30598

FEB 14 10 17 AM '92

AUDIO SERVICES

FCC MAIL SECTION

JAN 13 10 11 AM '92

PHONE

(404) 886-6831

REC

RECEIVED

FEB 14 1992

FM EXAMINERS

February 12, 1992

The Secretary  
Federal Communications Commission  
Washington, DC 20554

Dear Secretary,


Please find enclosed an original and two copies of FCC form 340, Application for construction permit for Noncommercial Educational Broadcast Station, filed by Toccoa Falls College for Belton SC.

Please note that in section V-B (FM Engineering Data) information furnished to the applicant by ELECTRONICS RESEARCH, INC refers to the proposed station as being in Honea Path, South Carolina instead of Belton, South Carolina. ELECTRONICS RESEARCH, INC (E.R.I.) Submitted information for the directional antenna system.

The tower the applicant proposes using is located roughly equal distance from Honea Path and Belton. This tower was formerly used by radio station WRIX (FM) licensed to Honea Path. WRIX has since moved to a new tower site, making this site available for use by Toccoa Falls College for the Belton Application. Any reference to Honea Path by E.R.I. should be understood to mean Belton South Carolina.

If there are any questions, please contact me at the college. The best number to use is (404) 886-6831 EXT: 5274.

Sincerely,

  
Robert S. Biermann  
Engineer, Toccoa Falls College  
Radio.

APPLICATION FOR CONSTRUCTION PERMIT FOR  
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION  
(Carefully read instructions before filing form)

Return only form to FCC

JAN 13 10 11 AM '92  
For Commission Use Only

File No. BPED-920113ML

Section 1 - GENERAL INFORMATION

1. Name of Applicant  TOCCOA FALLS COLLEGE		
Street Address or P.O. Box HIGHWAY 17 NORTH		
City TOCCOA FALLS	State GA	ZIP Code 30598
Telephone No. (Include Area Code) 1-404-886-6831 EXT. 5277		

Send notices and communications to the following person at the address below:		
Name ROBERT S. BIERMANN co/TOCCOA FALLS COLLEGE		
Street Address or P.O. Box HIGHWAY 17 NORTH		
City TOCCOA FALLS	State GA	ZIP Code 30598
Telephone No. (Include Area Code) 1-404-886-6831 EXT. 5274		

2. This application is for: ☐ AM ☒ FM ☐ TV

(a) Channel No. or Frequency 203
-------------------------------------

(b) Principal Community	City	State
	BELTON	SC

(c) Check one of the following boxes:

- ☒ Application for NEW station
- ☐ MAJOR change in licensed facilities; call sign: \_\_\_\_\_
- ☐ MINOR change in licensed facilities; call sign: \_\_\_\_\_
- ☐ MAJOR modification of construction permit; call sign: \_\_\_\_\_
- File No. of construction permit: \_\_\_\_\_
- ☐ MINOR modification of construction permit; call sign: \_\_\_\_\_
- File No. of construction permit: \_\_\_\_\_
- ☐ AMENDMENT to pending application; application file number: \_\_\_\_\_

NOTE: It is not necessary to use  
submit only Section 1 and those of

88.5MHZ  
BPED -920113ML NEW  
BELTON SC  
TOCCOA FALLS COLLEGE

If you do so, however, please  
tion.

3. Is this application mutually exclusive

☐ Yes ☒ No

If Yes, state:	Call letters	Community of License	
		City	State

## Section II - LEGAL QUALIFICATIONS

Name of Applicant

TOCCOA FALLS COLLEGE

1. Applicant is: (Check one box below)

- ☐ (a) governmental or public educational agency, board or institution
- ☒ (b) private nonprofit educational institution
- ☐ (c) Other (specify)

2. For applicants 1(c) only, describe in an Exhibit the nature and educational purposes of the applicant.

Exhibit No.  
n/a

3. For applicants 1(c) applying for a new noncommercial educational television station only, describe in an Exhibit how the applicant's officers, directors and members of its governing board are broadly representative of the educational, cultural and civic segments of the principal community to be served.

Exhibit No.  
n/a

4. Describe in an Exhibit how the proposed station will be used, in accordance with 47 C.F.R. Section 73.503 or Section 73.621, for the advancement of an educational program.

Exhibit No.  
1

5. Is there any provision contained in any by-laws, articles of incorporation, partnership agreement, charter, statute or other document which would restrict the applicant in advancing an educational program or complying with any Commission rule, policy or provision of the Communications Act of 1934, as amended?

☐ Yes ☒ No

If Yes, provide particulars in an Exhibit.

Exhibit No.  
n/a

### CITIZENSHIP AND OTHER STATUTORY REQUIREMENTS

6. (a) Is the applicant in violation of the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments? (See Instruction B to Section II.)

☐ Yes ☒ No

(b) Will any funds, credits or other financial assistance for the construction, purchase or operation of the station(s) be provided by aliens, foreign entities, domestic entities controlled by aliens, or their agents?

☐ Yes ☒ No

If the answer to (b) above is Yes, attach an Exhibit giving full disclosure concerning this assistance.

Exhibit No.

7. (a) Has an adverse finding been made or an adverse final action taken by any court or administrative body as to the applicant or any party to this application in a civil or criminal proceeding brought under the provisions of any law related to the following:

Any felony; broadcast related antitrust or unfair competition; criminal fraud or fraud before another governmental unit; or discrimination?

☐ Yes ☒ No

(b) Is there now pending in any court or administrative body any proceeding involving any of the matters referred to in (a) above?

☐ Yes ☒ No

If the answer to (a) and/or (b) above is Yes, attach an Exhibit giving full disclosure concerning persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), a statement of the facts upon which the proceeding is or was based or the nature of the offense alleged or committed, and a description of the current status or disposition of the matter.

Exhibit No.  
n/a

Section II - LEGAL QUALIFICATIONS (Page 3)

9. Does the applicant or any party to this application have, or have they had, any interest in:

(a) a broadcast station, or pending broadcast station application before the Commission?

☒ Yes ☐ No

(b) a broadcast application which has been dismissed with prejudice by the Commission?

☐ Yes ☒ No

(c) a broadcast application which has been denied by the Commission?

☐ Yes ☒ No

(d) a broadcast station, the license of which has been revoked?

☐ Yes ☒ No

(e) a broadcast application in any pending or concluded Commission proceeding which left unresolved character issues against the applicant?

☐ Yes ☒ No

If the answer to any of the questions in (a)-(e) above is Yes, state in an Exhibit the following information:

Exhibit No.  
BELOW

(1) Name of party having interest;

(2) Nature of interest or connection, giving dates;

(3) Call letters of stations or file number of application or docket; and

(4) Location.

NONE OF THE MEMBERS OF THE TOCCOA FALLS COLLEGE ADMINISTRATIVE BOARD HAS AN INTEREST IN A MEDIUM OF MASS COMMUNICATION. HOWEVER, TOCCOA FALLS COLLEGE IS THE LICENSEE OF WRAF (FM), TOCCOA FALLS, GEORGIA, WCOP (AM) WARNER ROBINS, GEORGIA, AND WFOM (AM) MARIETTA, GEORGIA. THE APPLICANT, TOCCOA FALLS COLLEGE, WAS GRANTED A CONSTRUCTION PERMIT FOR A NEW NON-COMMERCIAL FM RADIO STATION FOR BELVEDERE, SOUTH CAROLINA. THE FCC REPLY NUMBER FOR THIS CONSTRUCTION PERMIT IS BPED-900618-MD, AND WAS GRANTED ON SEPTEMBER 9, 1991. TOCCOA FALLS COLLEGE HAS ALSO APPLIED FOR A NEW TRANSLATOR STATION IN GATLINBURG TENNESSEE TO REBROADCAST RADIO STATION WRAF (FM), TOCCOA FALLS.

### SECTION III - FINANCIAL QUALIFICATIONS

Note: If this application is for a change in an operating facility, DO NOT fill out this Section.

1. Is this application contingent upon receipt of a grant from the National Telecommunications and Information Administration? ☐ Yes ☒ No
2. Is this application contingent upon receipt of a grant from a charitable organization, the approval of the budget of a school or university, or an appropriation from a state, county, municipality or other political subdivision? ☐ Yes ☒ No

NOTE: If either Questions 1 or 2 is answered "Yes," your application cannot be granted until all of the necessary funds are committed or appropriated. In the case of grants from the National Telecommunications and Information Administration, no further action on your part is required. If you rely on funds from a source specified in Question 2, you must advise the F.C.C. when the funds are committed or appropriated. This should be accomplished by letter amendment to your application, in triplicate, signed in the same manner as the original application, and clearly identifying the application to be amended.

3. The applicant certifies, except as noted above, that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without additional funds. ☒ Yes ☐ No

### SECTION IV - PROGRAM SERVICE STATEMENT

Attach as an Exhibit, a brief description, in narrative form, of the planned programming service relating to the issues of public concern facing the proposed service area.

Exhibit No. 2
------------------

NOTE: No program service statement need be filed where the proposed station's programming would be wholly "instructional" as that type of programming is defined in the instructions to this Section.

## SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1. Does the applicant propose to employ five or more full-time employees?

☐ Yes ☒ No

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC 396-A).

## SECTION VII - CERTIFICATION

1. Has or will the applicant comply with the public notice requirements of 47 C.F.R. Section 73.3580?

☒ Yes ☐ No

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

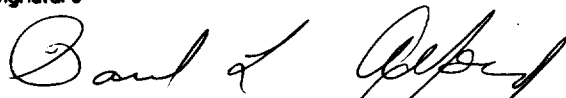
The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT.  
U.S. CODE, TITLE 18, SECTION 1001.**

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

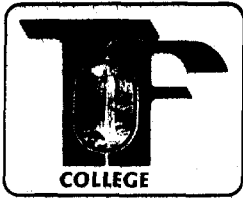
Name of Applicant TOCCOA FALLS COLLEGE	Title DR. PAUL ALFORD, PRESIDENT, TOCCOA FALLS COLLEGE
Signature 	Date Feb 11, 1992

### FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, analysts, engineers and applications examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 76 to 80 hours with an average of 78 hours 04 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Office of Managing Director, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0034), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552(a)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.



# TOCCOA FALLS COLLEGE

TOCCOA FALLS, GEORGIA 30598

PHONE  
(404) 886-6831

## EXHIBIT 1

How the proposed station will be used, in accordance with 47 C.F.R. section 73.503, for the advancement of an educational program.  
(Please note Section 73.621 refers only to non-commercial education television stations and therefore does not apply as requested in Section II item number 4 of the application.

Toccoa Falls College is an independent, non-profit, educational institution that trains men and women of all races and national origins for vocational and professional careers. Chartered by the state of Georgia over eighty years ago the college is fully accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, and the American Association of Bible Colleges. Toccoa Falls College is empowered by the State of Georgia to confer both Associate and Bachelor of Arts degrees to students who have completed the course study prescribed by the Board of Trustees, when recommended by the Faculty. Among the twenty-five different degree programs offered by the eight schools of study, is a curriculum in Communications, including Broadcasting.

Toccoa Falls College currently provides many cultural activities. The college's annual artist series offers speakers, opera, musical comedy, and theater, all of which would be coordinated and presented over the facilities requested herein whenever possible. The carriage of other special events, musical entertainment, and other light entertainment will provide an alternative source of programming not heretofore available to members of the listening audience in the proposed service area.

Programs and materials produced by the Toccoa Falls College School of communication will be made available to the community on the station. Other instructional programs produced by outside sources will also be employed pursuant to sub-part (c) of section 73.503 of the 47 C.F.R. In addition, the applicant plans to provide a forum for the discussion of issues and ideas affecting education and society as a whole.

A more detailed list of proposed programming to address community needs is contained in section IV of this application, the **PROGRAM SERVICE STATEMENT**.





# TOCCOA FALLS COLLEGE

TOCCOA FALLS, GEORGIA 30598

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(404) 886-6831

## EXHIBIT 2

### PROGRAM SERVICE STATEMENT

In an effort to become fully aware of the needs and interests of the community, the applicant, Toccoa Falls College, conducted an informal ascertainment with the leaders of various community elements. These individuals comprised and represented civic clubs, organizations, business, government, education, news gathering organizations and long term city residents. The information that was gathered during this process will serve as a basis for much of the programming to be offered thru-out the daily broadcast schedule. Throughout its initial license term, the applicant proposes to address the problems and items of community interest listed below by presenting programs indicated in this exhibit. Further, the applicant will keep active in the community, thereby allowing the ability to assess and prepare additional programs to meet changing issues and problems facing the Belton, South Carolina community.

### INDUSTRIAL AND ISSUES AND CONCERNS

Recently, one of the larger industries in Belton announced that 125 or so jobs would have to move to another city. The announcement by Blair Mills Incorporated stated that these jobs would be moved to a different plant in a community about 15 miles away. The reason for the move was not due to current economic conditions, but rather to a lack of adequate sewage treatment facilities. Both business and community leaders have expressed a concern that this lack of being able to treat waste water could have a negative impact on future growth in the Belton area. In these tight economic times there are those who would oppose spending the funds necessary to upgrade the existing sewage and waste water facilities. There could also be environmental concerns if a new or larger facility were constructed. In an effort to educate and inform, the applicant will make available air time to representatives on all sides of this important issue for the community.

### TRANSPORTATION ISSUES

There are currently two proposed road projects that could affect the city of Belton and the surrounding areas. The first project is a by-pass for the larger adjacent community of Anderson. This project would begin with a road on a major interstate (I-85) ending near the city of Belton. The second project is the widening from two to four lanes a major highway. (South Carolina highway 20) that comes right thru the heart of Belton. Both these projects have raised some concern. There are many government and business leaders that believe that these



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TOCCOA FALLS, GEORGIA 30598

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## EXHIBIT 2 CON'T

projects could provide easy access to Belton necessary for expanding industry. Others raise concerns about the increase traffic flow, the potential displacement of families in the path of these highways, and the effect on the environment. The applicant will follow developments in both these highway proposals and prepare programs or make air time available to representatives from the South Carolina state department of transportation, local governmental and business leaders, and those with concerns both in favor and against the projects.

### GOVERNMENTAL AND EDUCATIONAL ISSUES

Belton is one of several cities in Anderson County. Many cities and communities in the county have raised questions of what is considered paying for services not received, or duplication of service. Many of the communities in Anderson County have their own police departments, and several have their own fire departments. Some like Belton have their own E.M.S. rescue squads. Some Belton residents complain about paying for services such as police, fire and rescue squads in their county property tax, when the services from the county do not benefit them, being that they also pay city taxes for those services already provided by the city. Other issues of concern are in the area of education. The state of South Carolina is embarked on an ambitious program to vastly improve the quality of education in the state. South Carolina has scored nationally lower than most other states in the southeast in college entrance testing. South Carolina in general, as well as Anderson School District 2 (which the city Belton is in) have had a higher than national average high school dropout rate. Other concerns in education concerned whether or not school board members should be appointed to their jobs as they are now, or should they be elected. As the full scope of these concerns developed over the next several years, the applicant will provide whatever programming or air time that is necessary to address all sides of these varying issues.



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## EXHIBIT 2 CON'T

### GENERAL HEALTH AND NUTRITION

There is interest in the Belton community for improvement of one's health and fitness. Toccoa Falls College plans to air a program entitled "Your Health Coach". The five minute program will be aired a minium of twice daily Monday through Friday. The program is hosted by well-known author and fitness expert, Beverly Chesser who is a resident of Anderson county, the county which the city of Belton is a part. Other programs of general interest to be offered will include programs produced by the extensions service at Clemson University in Clemson, South Carolina. These programs deal with items ranging from home economics to gardening and agriculture information. As the median age of the area is rising, the applicant will offer program time to the regional office of the Social Security Administration. The program to be produced will inform area residents of benefits entitled and answer questions regarding their social security. The applicant will always make air time available to the general public for announcements of community interest and local events. In addition to the programs mentioned, the applicant will offer hourly news and frequent, detailed weather information. To best serve the region, the applicant, Toccoa Falls College, will operate the proposed facility twenty-four hours a day, seven days a week.

# Section V-B - FM BROADCAST ENGINEERING DATA

## FOR COMMISSION USE ONLY

File No. \_\_\_\_\_

ASB Referral Date \_\_\_\_\_

Referred by \_\_\_\_\_

Name of Applicant

Toccoa Falls College

Call letters (if issued)

Is this application being filed in response to a window? ☐ Yes ☒ No

If Yes, specify closing date: \_\_\_\_\_

Purpose of Application: (check appropriate boxes)

☒ Construct a new (main) facility

☐ Construct a new auxiliary facility

☐ Modify existing construction permit for main facility

☐ Modify existing construction permit for auxiliary facility

☐ Modify licensed main facility

☐ Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

☐ Antenna supporting-structure height

☐ Effective radiated power

☐ Antenna height above average terrain

☐ Frequency

☐ Antenna location

☐ Class

☐ Main Studio location

☐ Other (Summarize briefly)

File Number(s) \_\_\_\_\_

### 1. Allocation:

Channel No.	Principal community to be served:		
203	City Belton	County Anderson	State SC

Class (check only one box below)

☐ A ☐ B1 ☐ B ☐ C3

☒ C2 ☐ C1 ☐ C ☐ D

### 2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.

South Carolina Route 185, 9.8 km South West of Honea Path, Anderson County, South Carolina

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array.

Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	34	°	23	'	43	"	Longitude	82	°	29	'	49	"
----------	----	---	----	---	----	---	-----------	----	---	----	---	----	---

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)?

☐ Yes ☒ No

If Yes, give call letter(s) or file number(s) or both. \_\_\_\_\_

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any. \_\_\_\_\_

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates?

☐ Yes ☒ No

If Yes, list old coordinates.

Latitude	0	'	"	Longitude	0	'	"
----------	---	---	---	-----------	---	---	---

5. Has the FAA been notified of the proposed construction?

☐ Yes ☒ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available. The tower already exists and is shown on aeronautical charts.

Exhibit No.

Date \_\_\_\_\_ Office where filed \_\_\_\_\_

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

Landing Area	Distance (km)	Bearing (degrees True)
(a) none		
(b)		

7. (a) Elevation: (to the nearest meter)

(1) of site above mean sea level; 229 meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 83 meters

(3) of the top of supporting structure above mean sea level [(aX1) + (aX2)] 312 meters

(b) Height of radiation center: (to the nearest meter) H = Horizontal; V = Vertical

(1) above ground 79 meters (H)

79 meters (V)

(2) above mean sea level [(aX1) + (bX1)] 308 meters (H)

308 meters (V)

(3) above average terrain 91 meters (H)

91 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(bX3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.  
Figure 1

9. Effective Radiated Power:

(a) ERP in the horizontal plane

50 kw (H\*) 50 kw (V\*)

(b) Is beam tilt proposed?

☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No.

\_\_\_\_\_ kw (H\*) \_\_\_\_\_ kw (V\*)

\*Polarization

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 3)

10. Is a directional antenna proposed?

☒ Yes ☐ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of horizontally and vertically polarized radiated components in terms of relative field.

Exhibit No.  
Eng. Exhibit

11. Will the main studio be located within the 70 dBu or 3.16 mV/m contour?

☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.  
Eng. Exhibit

12. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast *(except citizens band or amateur)* radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

☒ Yes ☐ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any

Exhibit No.  
Eng. Exhibit

17. For an application involving an auxiliary facility only, attach as an Exhibit a map (*Sectional Aeronautical Chart or equivalent*) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license. See 47 C.F.R. Section 73.1675. (File No.: \_\_\_\_\_)

18. Terrain and coverage data (*to be calculated in accordance with 47 C.F.R. Section 73.313*).

Source of terrain data: (*check only one box below*)

☒ Linearly interpolated 30-second database

☐ 7.5 minute topographic map

(Source: NGDC)

☐ Other (*briefly summarize*).

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances to the 1 mV/m contour (kilometers)
0	see engineering exhibit	
45		
90		
135		
180		
225		
270		
315		

#### Allocation Studies

(*See Subpart C of 47 C.F.R. Part 73*)

19. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico?

☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.

Exhibit No.



SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

20. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada?

☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.

Exhibit No.

21. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as an Exhibit a complete allocation study to establish the lack of prohibited overlap of contours with other U.S. stations. The allocation study should include the following:

Exhibit No.  
Eng. Exhibit  
Figures 3 & 4

- (a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
- (b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
- (c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
- (d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
- (e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
- (f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
- (g) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (h) The name of the map(s) used in the Exhibit(s).

22. With regard to any stations separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as an Exhibit information required in 1/ (*separation requirements involving intermediate frequency (i.f.) interference*).

Exhibit No.  
page 5

23.(a) Is the proposed operation on Channel 218, 219, or 220?

☐ Yes ☒ No

(b) If the answer to (a) is yes, does the proposed operation satisfy the requirements of 47 C.F.R. Section 73.207?

☐ Yes ☐ No

(c) If the answer to (b) is yes, attach as an Exhibit information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222 and 223.

Exhibit No.

(d) If the answer to (b) is no, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.

1/ A showing that the proposed operation meets the minimum distance separation requirements. Include existing stations, proposed stations, and cities which appear in the Table of Allotments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 6)

- (e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.

- (1) Protected and interfering contours, in all directions (360°), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibits(s).

24. Is the proposed station for a channel in the range from Channel 201 to 220 (88.1 through 91.9 MHz) and the proposed antenna location within the distance to an affected TV Channel 6 station(s) as defined in 47 C.F.R. Section 73.525?

☒ Yes ☐ No

If Yes, attach as an Exhibit either a TV Channel 6 agreement letter dated and signed by both parties or a map and an engineering statement with calculations demonstrating compliance with 47 C.F.R. Section 73.525 for each affected TV Channel 6 station.

Exhibit No.  
Eng. Exhibit

page 4

25. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)?

☐ Yes ☒ No

If Yes, attach as an Exhibit information required in 1/. (Except for Class D (secondary) proposals.)

Exhibit No.

26. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact?

☐ Yes ☒ No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No.

If No, explain briefly why not. There will be no surface changes because the tower and building already exist. See the Engineering Exhibit, page 3, for information on non-ionizing radiation.

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have

TOCCOA FALLS COLLEGE  
BELTON, SOUTH CAROLINA

TOCCOA FALLS COLLEGE  
BELTON, SOUTH CAROLINA

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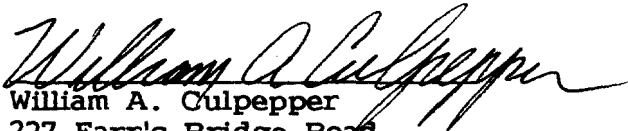
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TOCCOA FALLS COLLEGE  
BELTON, SOUTH CAROLINA

DECLARATION

I declare, under penalty of perjury, that I have supervised the preparation of the attached Exhibit for TOCCOA FALLS COLLEGE, and that all of the facts therein, except for facts of which the Federal Communications Commission may take official notice, are true to the best of my knowledge and belief; and that I am a Registered Professional Engineer in the States of Alabama, Georgia and North Carolina.

Executed on November 4 1991.

  
William A. Culpepper  
227 Farr's Bridge Road  
Greenville, South Carolina 29611  
803/246-3401

TOCCOA FALLS COLLEGE  
BELTON, SOUTH CAROLINA

NARRATIVE

This Exhibit supports the attached application of TOCCOA FALLS COLLEGE for a new non-commercial educational FM broadcast station at Belton, South Carolina.

The stations and allocations of concern in the reserved and non-reserved portion of the FM band are tabulated in the Channel Study on page 5 of this exhibit. The allocations study was prepared using actual terrain on radials connecting the

if it were blanketing interference. If any blanketing interference is reported, applicant agrees to abide by § 73.318 in correcting the problem. Possible solutions to blanketing interference might include, but not be limited to, the installation of a filter in the antenna input of the offending receiver. Additional filtering in the output of the processed

along with the interference contour relevant to the Grade B contour. Figure 7 shows in detail the area outside the WAXA City Grade Contour where interference is examined. WJBF contours were plotted at 1 dBu intervals from 47 dBu to 53 dBu. Corresponding interfering contours, based on the U/D ratios in § 73.599, Figure 1, including the 6 dB directional antenna adjustment, were plotted for each of the WJBF contours. The interference area is bounded by the WJBF 47 dBu contour, the WAXA City Grade contour, and the locus of points of intersection of the WJBF service contours and the relevant proposed interference contours. The area is plotted on a census base map. Areas were measured using a compensating polar planimeter, and the population was tabulated as specified in § 73.525(e)(2) and is shown below. The total affected population is less than 3,000 persons.

Census Block	Population	% Affected	Affected Population
Abbeville City	5,833	30.6	1,785
Abbeville Division	4,691	7.2	337
Calhoun Falls Division	1,051	7.5	86
Antreville-Lowndesville Division	2,128	6.2	132
TOTAL POPULATION			2,340



10-14-1991

WILLIAM CULPEPPER &amp; ASSOCIATES, INCORPORATED

(803)246-3401

CH# 203C2 - 88.5 MHz

TOCCOA FALLS COLLEGE

INTERFERENCE CHECKS WITH NEWFM, BELTON, SC at M. LAT. 34 23 43 W. LNG. 82 29 49

PWR = 50 kW H.A.A.T. = 91 M C.O.R. = 308 M

Protected F(50-50) 60 dBu = 42.6 km

F(50-10) 40 dBu = 128.92 54 dBu = 67.64 80 dBu = 14.74 100 dBu = 4.6

CH#	CALL	TYPE	* IN *	* OUT *	BEARING	DISTANCE	LAT.	PWR(kW)	INT(km)	PRO(km)
CITY	STATE	LICENSEE			<---		LNG.	HAAT(M)	COR(M)	FILE #
201A	WSBFFM*	LI CN	6.5	17.0	316.6	43.24 km	34 40 42	1.00	5.04	15.90
Clemson	SC	Clemson University			136.6	26.87 Mi	82 49 15	76.3*	310	BLED830208AD
> Reference HAAT at 316.6 degrees = 85.9 M, Pwr.= 13.66 kW, Pro. contour = 31.66 km, Int. contour = 10.35 km										
201A	WSBFFM*	AP CN	5.1	12.5	316.6	43.24 km	34 40 42	3.00	6.47	20.41
Clemson	SC	Clemson University			136.6	26.87 Mi	82 49 15	73.3*	307	BPED900314MB
> Reference HAAT at 316.6 degrees = 85.9 M, Pwr.= 13.66 kW, Pro. contour = 31.66 km, Int. contour = 10.35 km										
202C2	WGWA*	AP DCN	13.8	13.7	37.6	117.07 km	35 13 52	50.00	63.25	38.42
Boiling Springs	NC	Gardner-Webb Junior Colleg			217.6	72.74 Mi	81 42 57	70.7*	343	BPED910531ME
FCC Comment > From channel 202A										
> Reference HAAT at 37.6 degrees = 78.4 M, Pwr.= 50 kW, Pro. contour = 40.04 km, Int. contour = 65 km										
202A	WGWA *	LI CN	48.6	34.6	38.6	121.52 km	35 15 3	4.70	32.75	21.77
Boiling Springs	NC	Gardner-Webb Junior Colleg			218.6	75.51 Mi	81 40 3	66.1*	320	BLED1200
FCC Comment > *To channel 202C2										
> Reference HAAT at 38.6 degrees = 78.9 M, Pwr.= 50 kW, Pro. contour = 40.14 km, Int. contour = 65.11 km										
202A	AP202 *	AP CN	74.1	62.3	160.6	125.53 km	33 19 40	1.00	19.20	13.90
Hephzibah	GA	C.S.R.A. Public Radio, Inc			340.6	78.00 Mi	82 2 47	55.1*	152	BPED890324MJ
> Reference HAAT at 160.6 degrees = 124 M, Pwr.= 6.95 kW, Pro. contour = 32.27 km, Int. contour = 49.37 km										
202C2	AP202 *	AP CY	16.9	23.9	151.1	125.08 km	33 24 29	4.50	74.30	49.46
Belvedere	SC	Toccoa Falls College			331.1	77.72 Mi	81 50 36	413.8*	497	BPED900618MD
> Reference HAAT at 151.1 degrees = 131 M, Pwr.= 7.88 kW, Pro. contour = 33.89 km, Int. contour = 51.72 km										
203C1	WRAS *	LI CN	2.5	39.3	244.5	183.37 km	33 41 4	100.00	153.05	57.32
Atlanta	GA	Georgia State University			64.5	113.94 Mi	84 17 23	141.1*	401	BLED870417KD
> Reference HAAT at 244.5 degrees = 93.2 M, Pwr.= 6.45 kW, Pro. contour = 27.78 km, Int. contour = 86.76 km										
204C	WNCW *	LI DEN	4.6	14.7	7.4	149.84 km	35 44 5	6.23	108.28	73.56
Spindale	NC	Isothermal Community Colle			187.4	93.11 Mi	82 17 10	970.1*	2007	BLED891002KA
> Reference HAAT at 7.4 degrees = 63.9 M, Pwr.= 50 kW, Pro. contour = 36.98 km, Int. contour = 61.57 km										

## i.f. RELATIONSHIPS:

NONE FOUND

\* Uses actual antenna radial HAAT and power toward reference